

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	31617	mass spectrometer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 10:00
S2	37790	data analysis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 10:01
S3	1602	S1 and S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 10:01
S4	189	S3 and (@pd<"20000919")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 10:02
S5	66	S4 and automated	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 10:02
S6	53	S5 and computer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 10:03
S7	53	S6 and system	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 10:18

## EAST Search History

S8	0	S7 and denoise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 10:04
S9	0	S7 and (moving average baseline)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 10:04
S10	7	S7 and DNA sample	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 10:11
S11	0	S4 and denoise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 10:11
S12	0	S4 and (moving average baseline)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 10:12
S13	0	S3 and (moving average baseline)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 10:12
S14	3	S3 and (denoise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 10:12

## EAST Search History

S15	2	S4 and baseline correction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 10:13
S16	13	S7 and (tof or "time of flight")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 10:22
S17	8	S1 and (wavelet transformation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 11:00
S18	0	automated mass spectroscopy	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 11:01
S19	47	automated mass spectrometry	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 12:24
S20	4	automated adj5 (time adj2 flight)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 12:42
S21	172	continuous wavelet transform	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 12:50

## EAST Search History

S22	0	S21 and "time of flight"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 12:42
S23	0	S21 and mass spectrum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 12:51
S24	5392	wavelet transform	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 14:33
S25	12	S24 and (mass spectrum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 12:57
S26	7	(residual baseline) and (mass spectrum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 12:58
S27	22784	mass spectrum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 13:04
S28	4570	noise removal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 13:04

## EAST Search History

S29	0	S27 andf S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 13:04
S30	11	S27 and S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 13:05
S31	4	(wavelet transform) and (residual baseline)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/08 14:33
S32	2	("5436447").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/11 12:32
S33	20	peak subtraction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 07:55
S34	2	("5,072,115").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/11 13:49
S35	2	("5130538").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/11 14:40

## EAST Search History

S36	1940	250/291.icls. or 250/282.icls. or 250/286.icls. or 250/281/icls. or 250/283.icls. or 250/290.icls	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 07:58
S37	96969	(mass adj (spectrometer or spectrometry)) or MALDI or TOF or "time of flight" or "matrix assisted laser desorption ionization"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:01
S38	1709	S36 and S37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:02
S39	8	S38 and "baseline correction"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 13:26
S40	1	S38 and "residual baseline"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:08
S41	0	"maldi-tof".clm. and DNA.clm. and "residual baseline".clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:10
S42	0	tof.clm. and DNA.clm. and residual .clm. and baseline.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:11

## EAST Search History

S43	0	tof.clm. and DNA.clm. and baseline.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:11
S44	0	"maldi-tof".clm.and" baseline.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:12
S45	2	"maldi-tof".clm. and baseline.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:12
S46	2	("5572125").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/26 23:13
S47	2	("5,072,115").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/26 23:23
S48	352	s "19" and DNA	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/02 16:35
S49	51	automated mass spectrometry	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/02 16:35

## EAST Search History

S50	47	S49 and DNA	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/02 16:35
S51	2	("5822058").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/03 08:06
S52	1	(moving average) and (peak subtraction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 11:15
S53	0	(savitzky golay) ad peak subtraction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 11:15
S54	0	(savitzky golay) and (peak subtraction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 11:16
S55	26	(savitzky golay) and (mass spectrometry)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 11:18
S56	235	(moving average) and (mass spectrometry)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 11:18



## EAST Search History

S57	4	S56 and (baseline correction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 14:12
S58	1344	(maldi TOF) and (DNA sequencing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 14:13
S59	5	S58 and (allelic ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 14:14
S60	1063	S58 and ratio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 14:32
S61	769	S58 and polymorphism	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 14:15
S62	135	S61 and @AD<="20000910"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 14:33
S63	228	S58 and @AD<="20000910"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 14:33

## EAST Search History

S64	0	denoise and (mass spec\$5) and DNA.clm,ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 15:35
S65	3	denoise and (mass spec\$5).clm,ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 15:36
S66	10	DNA and ( complex with mass spec\$5).clm,ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 15:50
S67	2	DNA and mass and (complex spectra).clm,ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 15:45
S68	444	DNA and (mass spec\$5).clm,ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 15:55
S69	154	DNA and (mass spectr\$4) and (reduc\$4 near noise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 15:59
S70	54	DNA and (mass spectr\$4) and (baseline correction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 16:06

## EAST Search History

S71	23	DNA and (mass spectr\$4) and (data analysis).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 16:11
S72	0	DNA and (mass spectr\$4) and (background reduction).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 16:11
S73	7	DNA and (mass spectr\$4) and (background noise).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 16:24
S74	0	(mass spectr\$4) and (denois\$4).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 16:24
S75	15	(mass spectr\$4) and (denois\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 16:37
S76	32	(mass spectr\$4) and (background reduction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 16:41
S77	83	(mass spectr\$4) and (noise reduction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 16:41

## EAST Search History

S78	22	S77 and DNA	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 16:42
S79	369	DNA and ((signal noise)near (increase or improvment))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 16:43
S80	38	DNA and ((signal noise)near (increase or improvment)) and (maldi tof)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 16:52
S81	6	(Maldi tof) and (residual baseline) and DNA	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 16:52
S82	11	(maldi tof) with ((DNA or nucleic acid) analysis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 17:25
S83	548	(maldi tof) with ((DNA or nucleic acid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 17:25
S84	0	S83 and (noise reduction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 17:26

## EAST Search History

S85	47	S83 and (signal noise ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 17:33
S86	6388	Maldi tof	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 17:33
S87	8916	spectrum analysis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 17:34
S88	130	S86 and S87	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/03 17:34
S89	98	S88 and DNA	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 12:59
S90	5	((("5853979") or ("5916747") or ("6303303"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/04 07:45
S91	54485	mass spectrometry	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 07:46

## EAST Search History

S92	1	residual baseline (subtraction or removal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 07:47
S93	1	residual baseline with (subtraction or removal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 07:48
S94	13	residual baseline with (subtract\$3 or remov\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 07:50
S95	36	residual baseline	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 07:52
S96	22	peak subtraction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 07:52
S97	1	S91 and (peak removal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 11:21
S98	0	S91 and (residual subtraction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 11:22

## EAST Search History

S99	7	S91 and (residual baseline)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 11:40
S10 0	12785	S91 and residual	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 11:40
S10 1	37	S91 and (residual with baseline)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 11:40
S10 2	410	(Maldi tof) and (DNA analysis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 12:59
S10 3	4	(Maldi tof) with (DNA analysis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 13:01
S10 4	65	(Maldi tof) with (DNA sequencing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 16:15
S10 5	0	(Maldi tof) with (DNA sequencing) and (calling ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 16:16

## EAST Search History

S10 6	0	(Maldi tof) and (calling ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 16:16
S10 7	6	(Maldi tof) and (peak probability)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 16:18
S10 8	44	(Maldi tof) and (peak ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 16:19
S10 9	11	(Maldi tof) and (allelic ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 16:20
S11 0	16	(mass spectrometry) and (allelic ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 16:22
S11 1	181	(mass spectrometry) and (peak ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 17:00
S11 2	4	(mass spectrometry) and (peak identification) and (moving average)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 16:29



## EAST Search History

S11 3	0	(mass spectrometry) (moving average)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 16:30
S11 4	235	(mass spectrometry) and (moving average)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 16:31
S11 5	121	(mass spectrometry) and (moving average) with peak	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 16:30
S11 6	3	(mass spectrometry) and (moving average).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 16:31
S11 7	6	(mass spectrometry) and (peak ratio).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 17:03
S11 8	6	(mass spectrometry) and ("peak ratio").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/04 17:03